

*Electronic Compass*

# Sensor ECS1

**SOLID STATE ELECTRONIC COMPASS**  
**NO MOVING PARTS**  
**NO MECHANICAL WEAR-OUT**  
**SMALL SIZE and HIGH RELIABILITY**

The revolutionary solid state electronic compass is designed around high-tech magnetic and gravity sensors to compensate the compass reading for rolling, pitching and acceleration. Since there are no moving parts and gimbal there is no wearing out, which substantially increases the reliability. The design also increases the resolution and accuracy. The sensor and indicators can be provided with Bluetooth to achieve a wireless data connection between sensor and one or more indicators. In this case only 12V or 24V has to be connected to the units. This option gives a hassle free installation. Another option is GPS. The combination with indicator ECI2 turns the compass into a navigator. Besides the magnetic heading, true heading, ground course, drift, trip, log, longitude, latitude, time and date can be displayed.



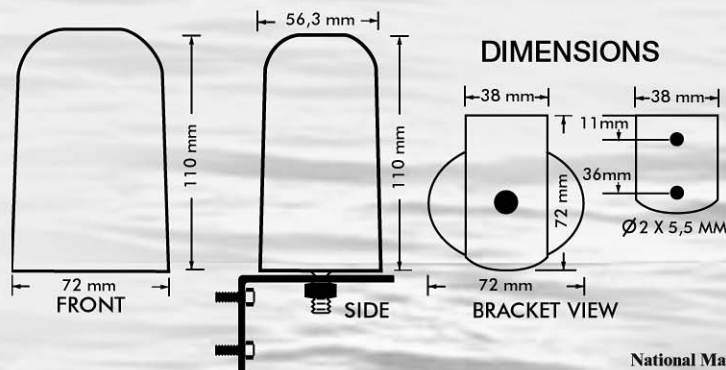
**ECS Series  
Compass Sensor Specifications**

Mounting: vertical  
 Interface options:  
 • NMEA 0183  
 • NMEA 2000  
 • Bluetooth (Class 1)  
 Update rate : max. 10/sec.  
 Cable length : 10 meter  
 Power supply : 50mA @ 12V,  
 30mA @ 24V  
 Bluetooth current max. 100mA  
 Operating temp. -20 to +70°  
 Dimensions: 110 X 73 X 57 mm  
 Weatherproof Sealed to IP66

**ECS1**  
 Compass Sensor  
 Resolution: 0.1°  
 Tilt compensated up to 35°  
 Repeatability: 1°  
 Output error: 2° max.  
 Output change with tilt: 2° max.

**ECS2**  
 GPS receiver  
 Update rate: 1/sec.  
 Internal antenna  
 12 channels

**ECS3**  
 GPS Receiver and  
 Compass sensor combination



National Marine Electronics Association Member



**ECI1**  
 COMPASS  
 INDICATOR  
 PRODUCT INFO



**ECI2**  
 COMPASS/  
 INDICATOR  
 PRODUCT INFO



**ECS1**  
 COMPASS/  
 SENSOR  
 PRODUCT INFO



**LCS**  
 COMPASS/  
 SENSOR  
 PRODUCT INFO



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